

# 16018 NTN 90x140x16mm Enclosure Open Deep groove ball bearings

rs min	1 mm
Radial clearance class	CN
Mass	0.85 kg
Dynamic load, C	33.5 kN
Static load, C0	33.5 kN
Fatigue limit load, Cu	1.42 kN
f0	16.5
Nlim (oil)	5.600 rpm
Nlim (grease)	4.700 rpm
Min operating temperature, Tmin	-20 °C
Max operating temperature, Tmax	120 °C
Characteristic cage frequency, FTF	0.46 Hz
Characteristic rolling element frequency, BSF	11.06 Hz
Characteristic outer ring frequency, BPF0	8.65 Hz
Characteristic inner ring frequency, BRFI	10.35 Hz
da min	95 mm
Da max	135 mm
ra max	1 mm
Bearing number	16018

Size (mm)	90x140x16
Brand	NTN
Bore Diameter (mm)	90
Outer Diameter (mm)	140
Width (mm)	16
d	90 mm
D	140 mm
B	16 mm
C	16 mm
r min.	1 mm
da min.	95 mm
Da max.	135 mm
ra max.	1 mm
Weight	0.848 Kg
Basic dynamic load rating (C)	33.5 kN
Basic static load rating (C0)	33.5 kN
(Grease) Lubrication Speed	4 700 r/min
(Oil) Lubrication Speed	5 600 r/min
Category	Single Row Ball Bearings
BDI Inventory	0.0
Manufacturer Name	NTN
Minimum Buy Quantity	N/A
Weight / Kilogram	0.88
Product Group – BDI	B00308
Enclosure	Open
Precision Class	ABEC 1   ISO P0
Maximum Capacity / Filling Slot	No

Rolling Element	Ball Bearing
Snap Ring	No
Internal Special Features	No
Cage Material	Steel
Internal Clearance	C0-Medium
Inch – Metric	Metric
Long Description	90MM Bore; 140MM Outside Diameter; 16MM Outer Race Diameter; Open; Ball Bearing; ABEC 1   ISO P0; No Filling Slot; No Snap Ring; No Internal Special Features
Category – BDI	Single Row Ball Bearing
UNSPSC	31171504
Harmonized Tariff Code	8482.10.50.68
Noun	Bearing
Keyword String	Ball
Manufacturer URL	<a href="http://www.ntnamerica.com">http://www.ntnamerica.com</a>
Manufacturer Item Number	16018
Weight / LBS	1.938
Outer Race Width	0.63 Inch   16 Millimeter
Bore	3.543 Inch   90 Millimeter
Outside Diameter	5.512 Inch   140 Millimeter
bore diameter:	90 mm
finish/coating:	Uncoated
outside diameter:	140 mm
bearing material:	High Carbon Chrome Steel
overall width:	16 mm
cage material:	Steel
bore type:	Round

inner ring width:	16 mm
closure type:	Open
outer ring width:	16 mm
row type & fill slot:	Single Row Non-Fill Slot
maximum rpm (grease):	4700 rpm
snap ring included:	Without Snap Ring
maximum rpm (oil):	5600 rpm
internal clearance:	CN
fillet radius:	1 mm
operating temperature range:	-40 to 120 °C
maximum rpm:	5600 RPM
dynamic load capacity:	33500 N
series:	600
static load capacity:	33500 N
manufacturer product page:	<a href="#">Click here</a>
precision rating:	Class 0